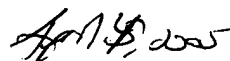


| FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary) | | | | | | | | | | Docket Number (Optional) 006775USA | | Application Number 10/632,882 | |
|---|-----------------|---|---|---|---|---|---|----------|------------------|--|----------|---|--|
| <div style="position: relative; width: 100px; height: 100px; margin: auto;"> </div> | | | | | | | | | | Applicant GOPALRAJA et al. | | Group Art Unit 1753 | |
| | | | | | | | | | | Filing Date July 31, 2003 | | | |
| PREVIOUS DOCUMENTS | | | | | | | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | | | | | | | DATE | NAME | CLASS | SUBCLASS | FILING DATE | |
| SHV | 4 | 4 | 1 | 2 | 9 | 0 | 5 | 11/1/83 | Khan | 204 | 278.16 | | |
| SHV | 4 | 4 | 9 | 8 | 9 | 6 | 9 | 2/12/85 | Ramachandran | 204 | 298.12 | | |
| SHV | 4 | 5 | 8 | 1 | 1 | 1 | 8 | 4/8/86 | Class et al. | 204 | 298.16 | | |
| SHV | 4 | 6 | 7 | 3 | 4 | 8 | 2 | 6/16/87 | Setoyama et al. | 204 | 298.16 | | |
| SHV | 4 | 7 | 6 | 1 | 2 | 1 | 9 | 8/2/88 | Sasaki et al. | 204 | 298.37 | | |
| SHV | 4 | 8 | 5 | 3 | 1 | 0 | 2 | 8/1/89 | Tateishi et al. | 204 | 298.06 | | |
| SHV | 4 | 8 | 6 | 5 | 7 | 0 | 9 | 9/12/89 | Nakagawa et al. | 204 | 298.12 | | |
| SHV | 4 | 8 | 6 | 5 | 7 | 1 | 2 | 9/12/89 | Mintz | 204 | 298.16 | | |
| SHV | 4 | 8 | 7 | 1 | 4 | 3 | 3 | 10/3/89 | Wagner et al. | 204 | 192.12 | | |
| SHV | 5 | 0 | 0 | 6 | 2 | 1 | 8 | 4/9/91 | Yoshida et al. | 204 | 298.06 | | |
| SHV | 5 | 0 | 2 | 6 | 4 | 7 | 0 | 6/25/91 | Bonyhard et al. | 204 | 298.16 | | |
| SHV | 5 | 1 | 7 | 8 | 7 | 3 | 9 | 1/12/93 | Barnes et al. | 204 | 192.12 | | |
| SHV | 5 | 1 | 8 | 6 | 7 | 1 | 8 | 2/16/93 | Tepman et al. | 29 | 25.01 | | |
| SHV | 5 | 2 | 4 | 6 | 5 | 3 | 2 | 9/21/93 | Ishida | 156 | 342.46 | | |
| SHV | 5 | 3 | 0 | 8 | 4 | 1 | 7 | 5/3/94 | Groechel et al. | 216 | 67 | | |
| SHV | 5 | 4 | 3 | 1 | 7 | 9 | 9 | 7/11/95 | Mosely et al. | 204 | 298.06 | | |
| SHV | 5 | 4 | 3 | 9 | 5 | 7 | 4 | 8/8/95 | Kobayashi et al. | 204 | 192.12 | | |
| SHV | 5 | 4 | 5 | 5 | 1 | 9 | 7 | 10/3/95 | Ghanbari et al. | 438 | 625 | | |
| SHV | 5 | 4 | 5 | 6 | 7 | 9 | 6 | 10/10/95 | Gupta et al. | 438 | 710 | | |
| SHV | 5 | 5 | 8 | 9 | 0 | 3 | 9 | 12/31/96 | Hsu | 204 | 192.12 | | |
| SHV | 5 | 5 | 9 | 3 | 5 | 5 | 1 | 1/14/97 | Lai | 204 | 192.12 | | |
| SHV | 5 | 7 | 3 | 6 | 0 | 2 | 1 | 4/7/98 | Ding et al. | 204 | 298.11 | | |
| SHV | 5 | 9 | 0 | 2 | 4 | 6 | 1 | 5/11/99 | Xu et al. | 204 | 192.12 | | |
| SHV | 5 | 9 | 0 | 7 | 2 | 2 | 0 | 5/25/99 | Tepman et al. | 315 | 11641 | | |
| SHV | 5 | 9 | 3 | 3 | 7 | 5 | 3 | 8/3/99 | Simon et al. | 438 | 629 | | |
| SHV | 5 | 9 | 8 | 5 | 7 | 6 | 2 | 11/16/99 | Geffken et al. | 438 | 687 | | |
| SHV | 6 | 0 | 4 | 2 | 7 | 0 | 0 | 3/28/00 | Gopalraja et al. | 204 | 192.15 | | |

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|-----|---|---|---|---|---|---|---|----------|--------------------|-----|--------|--|
| SHV | 6 | 0 | 7 | 7 | 4 | 0 | 3 | 6/20/00 | Kobayashi et al. | 204 | 192.12 | |
| SHV | 6 | 0 | 9 | 9 | 7 | 0 | 6 | 8/8/00 | Hirabayashi et al. | 204 | 298.16 | |
| SHV | 6 | 1 | 0 | 6 | 6 | 8 | 2 | 8/22/00 | Moslehi et al. | 204 | 298.15 | |
| SHV | 6 | 1 | 1 | 3 | 7 | 3 | 1 | 9/5/00 | Shan et al. | 156 | 345.28 | |
| SHV | 6 | 1 | 3 | 6 | 1 | 6 | 6 | 10/24/00 | Shen et al. | 204 | 298.16 | |
| SHV | 6 | 1 | 4 | 9 | 7 | 7 | 6 | 11/21/00 | Tang et al. | 204 | 192.12 | |
| SHV | 6 | 1 | 5 | 9 | 3 | 5 | 1 | 12/12/00 | J'Afer et al. | 204 | 298.19 | |
| SHV | 6 | 1 | 7 | 4 | 8 | 1 | 1 | 1/16/01 | Ding et al. | 438 | 687 | |
| SHV | 6 | 1 | 7 | 9 | 9 | 7 | 3 | 1/30/01 | Lai et al. | 204 | 192.12 | |
| SHV | 6 | 1 | 8 | 3 | 6 | 1 | 4 | 2/6/01 | Fu | 204 | 298.2 | |
| SHV | 6 | 1 | 9 | 3 | 8 | 5 | 5 | 2/27/01 | Gopalraja et al. | 204 | 192.12 | |
| SHV | 6 | 2 | 2 | 4 | 7 | 2 | 4 | 5/1/01 | Licata et al. | 204 | 298.06 | |
| SHV | 6 | 2 | 3 | 5 | 1 | 6 | 4 | 5/22/01 | Gerrish et al. | 204 | 192.2 | |
| SHV | 6 | 2 | 5 | 1 | 2 | 4 | 2 | 6/26/01 | Fu et al. | 204 | 298.19 | |
| SHV | 6 | 2 | 7 | 4 | 0 | 0 | 8 | 8/14/01 | Gopalraja et al. | 204 | 192.17 | |
| SHV | 6 | 2 | 7 | 7 | 2 | 4 | 9 | 8/21/01 | Gopalraja et al. | 204 | 192.12 | |
| SHV | 6 | 2 | 8 | 0 | 5 | 8 | 5 | 8/28/01 | Obinata et al. | 204 | 298.12 | |
| SHV | 6 | 2 | 8 | 7 | 9 | 7 | 7 | 9/11/01 | Hashim et al. | 438 | 722 | |
| SHV | 6 | 3 | 0 | 6 | 2 | 6 | 5 | 10/23/01 | Fu et al. | 204 | 192.12 | |
| SHV | 6 | 3 | 4 | 2 | 1 | 3 | 3 | 1/29/02 | D'Couto et al. | 204 | 192.17 | |
| SHV | 6 | 3 | 5 | 0 | 3 | 5 | 3 | 2/26/02 | Gopalraja et al. | 204 | 192.3 | |
| SHV | 6 | 3 | 5 | 2 | 6 | 2 | 9 | 3/5/02 | Wang | 204 | 298.2 | |
| SHV | 6 | 3 | 6 | 8 | 4 | 6 | 9 | 4/9/02 | Nulman et al. | 204 | 192.12 | |
| SHV | 6 | 3 | 7 | 5 | 8 | 1 | 0 | 4/23/02 | Hong | 204 | 192.12 | |
| SHV | 6 | 3 | 9 | 8 | 9 | 2 | 9 | 6/4/02 | Chiang et al. | 204 | 298.11 | |
| SHV | 6 | 4 | 1 | 3 | 3 | 8 | 3 | 7/2/02 | Chiang et al. | 204 | 192.13 | |
| SHV | 6 | 4 | 2 | 3 | 1 | 9 | 2 | 7/23/02 | Wada et al. | 204 | 192.12 | |
| SHV | 6 | 4 | 3 | 6 | 2 | 6 | 7 | 8/20/02 | Carl et al. | 205 | 186 | |
| SHV | 6 | 4 | 7 | 5 | 3 | 5 | 6 | 11/5/02 | Ngan et al. | 204 | 192.17 | |
| SHV | 6 | 4 | 9 | 8 | 0 | 9 | 1 | 12/24/02 | Chen et al. | 438 | 627 | |
| SHV | 6 | 5 | 0 | 6 | 2 | 8 | 7 | 1/14/03 | Ding | 204 | 192.12 | |
| SHV | 6 | 5 | 5 | 4 | 9 | 7 | 9 | 4/29/03 | Stimson | 204 | 298.06 | |
| SHV | 6 | 5 | 7 | 9 | 4 | 2 | 1 | 6/17/03 | Fu | 204 | 192.12 | |
| SHV | 6 | 6 | 9 | 2 | 6 | 1 | 7 | 2/17/04 | Fu et al. | 204 | 192.12 | |





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| SHV | 0 | 2 | 6 | 1 | 8 | 1 | 2 | 6/30/87 | DE | C23C | 14/34 | abs | |
| SHV | 1 | 1 | 1 | 9 | 0 | 1 | 7 | 7/25/01 | EP | H01J | 37/34 | full | |
| SHV | 61 | 2 | 2 | 1 | 3 | 6 | 3 | 10/1/86 | JP | C23C | 14/36 | full | |
| SHV | 61 | 2 | 7 | 2 | 3 | 7 | 3 | 12/2/86 | JP | C23C | 14/36 | abs | |
| SHV | 61 | 1 | 5 | 8 | 0 | 3 | 2 | 7/17/86 | JP | G11B | 51852 | abs | |
| SHV | 63 | 0 | 1 | 8 | 0 | 7 | 1 | 1/25/88 | JP | C23C | 14/40 | abs | |
| SHV | 63 | 2 | 1 | 3 | 6 | 6 | 7 | 9/6/88 | JP | C23C | 14/36 | abs | |
| SHV | 63 | 2 | 6 | 2 | 4 | 6 | 2 | 10/28/88 | JP | C23C | 14/36 | abs | |
| SHV | 1 | 3 | 0 | 9 | 9 | 6 | 3 | 12/14/89 | JP | C23C | 14/34 | abs | |
| SHV | 0 | 0 | 0 | 7 | 2 | 3 | 6 | 2/10/00 | PCT | H01L | 21/763 | full | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | | | |
| SHV | US2001/0003607 Published 6/14/01; Gopalraja et al. | | | | | | | | | | | | |
| SHV | PCT/US02/36940 International Search Report mailed 2/14/03 (7094PCT) | | | | | | | | | | | | |
| SHV | PCT/US02/39510 International Search Report mailed 5/2/03 (7074PCT) | | | | | | | | | | | | |

October 29, 2004

Sheet 3 of 3



April 4, 2005

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